

✓ \$ Sector #4

Attorney Docket No.: 042390P11026

Patent



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re Application of:

Grant Kloster et al.

Serial No.: 09/820,077/9

Filed: March 28, 2001

For: STRUCTURE IN A MICROELECTRONIC
DEVICE INCLUDING A BI-LAYER FOR A
DIFFUSION BARRIER AND AN
ETCH-STOP LAYER

FIRST CLASS CERTIFICATE OF MAILING
(37 c.f.r. § 1.8(a))

I hereby certify that this correspondence is being
deposited with the United States Postal Service
as first class mail with sufficient postage in an
envelope addressed to the Commissioner of
Patents and Trademarks, Washington, D.C. 20231

on Teresa Edwards
July 3, 2001 Date

Assistant Commissioner for Patents
Box Missing Parts
Washington, D.C. 20231

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION
_____(FILING DATE GRANTED)_____

Sir:

In response to the Notice to File Missing parts of Application (Filing Date
Granted) mailed June 1, 2001, please find enclosed:

- (1) a duly executed Declaration and Power of Attorney with respect to
the above-referenced patent application;
- (2) a check in the amount of \$130.00 in payment of the surcharge of 37
C.F.R. § 1.16(e);
- (3) a copy of the Notice to File Missing Parts of Application;
- (4) an Assignment and Recordation Cover Sheet; and
- (5) a check in the amount of \$40.00 in payment of the Assignment and
Recordation filing fees.

If any additional fee is required, please charge Deposit Account No. 02-2666. A duplicate of this Response is enclosed for deposit account charging purposes.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

Dated: 7/3/01



Michael A. Bernadicou
Reg. No. 35,934

12400 Wilshire Blvd.
Seventh Floor
Los Angeles, CA 90025-1026
(408) 720-8300



Attorney Docket No.: 042390P11026

Patent

Receipt
#3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Grant Kloster et al.

Serial No.: 09/820,077 079

Filed: March 28, 2001

For: STRUCTURE IN A MICROELECTRONIC
DEVICE INCLUDING A BI-LAYER FOR A
DIFFUSION BARRIER AND AN
ETCH-STOP LAYER

Assistant Commissioner of Patents
Washington, D.C. 20231

Examiner: Not yet assigned

Group Unit: 2811

FIRST CLASS CERTIFICATE OF MAILING

(37 c.f.r. § 1.8(a))

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as first class mail with sufficient postage in an
envelope addressed to the Commissioner of
Patents and Trademarks, Washington, D.C. 20231

on Teresa Edwards

July 3, 2001

Date

REQUEST FOR CORRECTION OF FILING RECEIPT

Dear Sir:

On a Filing Receipt for the above referenced patent application filed March 28, 2001, the Serial Number was recorded incorrectly as follows:

09/820,079

The correct Serial Number is as follows:

09/820,077

Please have the Filing Receipt changed to reflect the correct Serial Number.
Enclosed is a copy of the incorrect Filing Receipt and with the incorrect Serial Number

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stamped thereon. Also enclosed is a copy of the return postcard that reflects the correct Serial Number.

Please also send us two (2) certified copies of the case showing the corrected filing date.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

Dated: 7/3/01, 2001


Michael A. Bernadicou
Reg. No. 35,934

12400 Wilshire Boulevard
Seventh Floor
Los Angeles, California 90025
(408) 720-8300



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/820,079	03/28/2001	2811	916	42390P11026	6	27	4

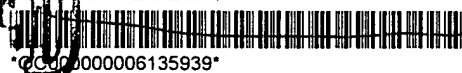
08791

BLAKELY SOKOLOFF TAYLOR & ZAFMAN
12400 WILSHIRE BOULEVARD, SEVENTH FLOOR
LOS ANGELES, CA 90025

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JUN 04 2001

CONFIRMATION NO. 4031

FILING RECEIPT



0000006135939

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN
LOS ANGELES

Date Mailed: 06/01/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Grant Kloster, Hillsboro, OR;
Jihperng Leu, Portland, OR;
Lawrence Wong, Beaverton, OR;
Andrew Ott, Hillsboro, OR;
Patrick Morrow, Portland, OR;

ENTERED
JUN 05 2001
STATUS DB-LA

Domestic Priority data as claimed by applicant

Foreign Applications

If Required, Foreign Filing License Granted 05/31/2001

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

Title

Structure in a microelectronic device including a bi-layer for a diffusion barrier and an etch-stop layer

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JUN 05 2001

B.S.T.L. DATABASE DEPT.



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JUN 06 2001
TECHNOLOGY CENTER 2800

Preliminary Class

257

Data entry by : TESFAYE, ALEM

Team : OIPE

Date: 06/01/2001

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15 (b).

PLEASE NOTE the following information about the Filing Receipt:

- The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- The words "new," "improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- The title may be truncated if it consists of more than 500 characters (letters and spaces combined).
- The docket number allows a maximum of 25 characters.
- If your application was submitted under 37 CFR 1.10, your filing date should be the "date in" found on the Express Mail label. If there is a discrepancy, you should submit a request for a corrected Filing Receipt along with a copy of the Express Mail label showing the "date in."
- The title is recorded in sentence case.

Any corrections that may need to be done to your Filing Receipt should be directed to:

Assistant Commissioner for Patents
Office of Initial Patent Examination
Customer Service Center
Washington, DC 20231



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APR 09 2001

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LOS ANGELES

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16 2001
LAKE OSWEGO

Application No. _____ Filing Date 03/28/01
Client: Intel Corporation
Title: STRUCTURE IN A MICROELECTRONIC DEVICE INCLUDING A

BSTZ File No.: 42390P11026 Atty/Ser Initials: MAB(JNG)acf
Date Mailed: 03/28/01 Docket Due Date: _____

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

- ☐ Amendment/Response (____ pgs)
- ☐ Amendment/Response After Final (____ pgs)
- ☐ Appeal Brief & two copies (____ pgs each)
- ☒ Application: Utility
(25 pages w/ cover & abstract)
- ☐ Assignment & Cover Sheet (____ pgs)
- ☐ Certificate of _____
- ☐ Declaration & POA (6 pgs) Unsigned
- ☐ Disclosure Docs & Inv's Signed Ltr
- ☒ Drawings: 6 sheets, 6 figures
- ☒ Express Mail No. EL034436041US
- ☒ Fee Transmittal (original & copy)
- ☐ Other _____
- ☐ Information Disclosure Statement & PTO-1449 (____ pgs)
- ☐ Issue Fee Transmittal (original & copy)
- ☐ Notice of Appeal
- ☐ Petition for Extension of Time: _____
- ☐ Petition for: _____ (____ pgs)
- ☐ Power of Attorney (____ pgs)
- ☐ Preliminary Amendment (____ pgs)
- ☐ Reply Brief (____ pgs)
- ☐ Request and Certification Under 35 USC 122(b)(2)(B)(i)
- ☐ Response to Notice of Missing Parts & PTO-1533 (____ pgs)
- ☐ Supplemental Amendment (____ pgs)
- ☐ Transmittal Letter

3971 U.S. PTO
09/820077



03/28/01

Check No. 1 09450 Amount \$916.00
Check No. 2 _____ Amount _____
Check No. 3 _____ Amount _____

v5.2

Due date 6/28/2001 Client Name Intel Corporation

Docket Initial MA
Docket Sup. Initial MA 42390 . P11026
Atty/Initial JNG
Pat/Ser/Reg 820,077

Description

3 month deadline to file prior art disclosure and check related cases (based on filed US application).

4/10/2001

Natalia Artair

Due date 9/28/2002 Client Name Intel Corporation

Docket Initial MA
Docket Sup. Initial MA 42390 . P11026
Atty/Initial JNG
Pat/Ser/Reg 820,077

Description

Watch for first office action

4/10/2001

Natalia Artair

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COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/820,079 77	03/28/2001	Grant Kloster	42390P11026

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LOS ANGELES, CA 90025

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LOS ANGELES

CONFIRMATION NO. 4031

FORMALITIES LETTER



OC00000006135940

Date Mailed: 06/01/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

RECEIVEDA copy of this notice MUST be returned with the reply.

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JUN 04 2001

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6/6/2001

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY

4/2001

Natalie Adair

Due date 8/1/2001

Client Name Intel Corporation

Docket Initial

42390 . P11026

Docket Sup. Initial

EHT JNG

Attorney/Initial

Patent/Reg 820,077

53 x

Description

Response due missing parts of application.

ENTERED

JUN - 5 2001

STATUS DB-LA